What is claimed is:

- 1. An ink jet ink or ink jet recording material comprising at least one compound selected from the group consisting of
 - a) the dialkyl hydroxylamine stabilizers,
 - b) the nitrone stabilizers and
 - c) the amine oxide stabilizers.
- 2. An ink jet ink or ink jet recording material according to claim 1 which comprises at least one compound selected from the group consisting of the dialkyl hydroxylamine stabilizers.
- 3. An ink jet ink or ink jet recording material according to claim 2 where the dialkyl hydroxylamine stabilizers are of the formula

R₁R₂N-OH

where

R₁ is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R₁ is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbons atoms, halogen, cyano, E₁O-, E₁CO-, E₁CO-, E₁CO-, E₁CO-, E₁CO-, E₁SO-, E₁SO-, E₁SO₂-, -NH₂, -NHE₁, -NE₁E₂, -PO(OE₁)(OE₂) or -OPO(OE₁)(OE₂) groups;

 R_2 is hydrogen or independently has the same meaning as R_1 , where at least one of R_1 and R_2 contains a hydrogen alpha to the -NOH moiety; or

 R_1 and R_2 together form a $C_{2\cdot12}$ heterocyclic ring which contains at least one carbon substituted hydrogen alpha to the –NOH moiety, where said $C_{2\cdot12}$ heterocyclic ring is unsubstituted or is substituted by one to three three alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbon atoms, halogen, cyano, E_1O -, E_1CO -, E_1CO -, E_1CO -, E_1SO -,

M⁺ is a mono-, di- or tri-valent metal cation;

 E_1 and E_2 independently are hydrogen, alkyl of 1 to 8 carbon atoms or alkyl of 1 to 8 carbon atoms substituted by one to three hydroxyl groups; or E_1 and E_2 independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500.

4. An ink jet ink or ink jet recording material according to claim 2 where the dialkyl hydroxylamine stabilizers are selected from the group consisting of N,N-dibenzylhydroxylamine, N,N-dimethylhydroxylamine, N,N-diethylhydroxylamine, N,N-bis(2-hydroxypropyl)hydroxylamine, N,N-bis(3-hydroxypropyl)hydroxylamine, N,N-bis(2-carboxyethyl)hydroxylamine, N,N-bis(benzylthiomethyl)hydroxylamine, N,N-dioctylhydroxylamine, N,N-dilaurylhydroxylamine, N,N-didodecylhydroxylamine, N,N-ditetradecylhydroxylamine, N,N-dihexadecylhydroxylamine, N,N-dioctadecylhydroxylamine, N-hexadecyl-N-tetradecylhydroxylamine, N-hexadecyl-N-octadecylhydroxylamine, N-methyl-N-octadecylhydroxylamine, N,N-di(hydrogenated tallow)hydroxylamine,

$$\begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \\ \\ \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \\ \end{bmatrix}^{OH} \begin{bmatrix} \\ \\ \end{bmatrix}^{OH} \begin{bmatrix}$$

where n = 2 to 200.

- **5.** An ink jet ink or ink jet recording material according to claim **2** where the dialkyl hydroxylamine stabilizers are N,N-diethylhydroxylamine, N,N-bis(2-hydroxypropyl)hydroxylamine, N,N-bis(3-hydroxypropyl)hydroxylamine, N,N-dibenzylhydroxylamine or N,N-di(hydrogenated tallow)hydroxylamine.
- **6.** An ink jet ink or ink jet recording material according to claim **1** which comprises at least one compound selected from the group consisting of the nitrone stabilizers.

7. An ink jet ink or ink jet recording material according to claim 6 where the nitrone stabilizers are of the formula

$$R_2 \bigvee_{R_3} \stackrel{\text{O}^-}{\underset{R_1}{\bigvee}} R_1$$

wherein

R₁ is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R₁ is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbon atoms, halogen, cyano, E₁O-, E₁CO-, M⁺O⁻CO-, E₁OCO-, E₁COO-, E₁S-, E₁SO-, E₁SO₂-, -NH₂, -NHE₁, -NE₁E₂, -PO(OE₁)(OE₂) or -OPO(OE₁)(OE₂) groups;

R₂ is hydrogen or independently has the same meaning as R₁; or

 R_1 and R_2 together form a C_{2-12} heterocyclic ring which is unsubstituted or is substituted by one to three three alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbon atoms, halogen, cyano, E_1O_- , E_1CO_- , $M^+O^-CO_-$, E_1OCO_- , E_1CO_- , E_1SO_- , E_1SO

 E_1 and E_2 independently are hydrogen, alkyl of 1 to 8 carbon atoms or alkyl of 1 to 8 carbon atoms substituted by one to three hydroxyl groups; or E_1 and E_2 independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl,

methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500; and

R₃ independently has the same meaning as R₁;

or the nitrones are of the formula

$$E \xrightarrow{R_5} \xrightarrow{R_4} X \xrightarrow{O^-} X \xrightarrow{H} X_1 \xrightarrow{R_4} \xrightarrow{R_5} E$$

$$R_5 \xrightarrow{R_4} X \xrightarrow{R_8} \xrightarrow{R_9} R_9 \xrightarrow{R_4} R_5$$
and

wherein

E is hydrogen, oxyl, hydroxyl, alkyl of 1 to 18 carbon atoms, alkenyl of 3 to 18 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, hydroxyalkyl of 2 to 6 carbon atoms, alkoxyalkyl of 2 to 20 carbon atoms, alkanoyl of 1 to 18 carbon atoms, alkoxy of 1 to 18 carbon atoms, cycloalkoxy of 5 to 12 carbon atoms, aryloxy of 6 to 10 carbon atoms, hydroxyalkoxy of 2 to 6 carbon atoms, alkoxyalkoxy of 2 to 20 carbon atoms, aralkoxy of 7 to 15 carbon atoms or a bicyclo or tricycloaliphatic oxy radical of 7 to 12 carbon atoms,

 R_4 and R_5 are independently alkyl of 1 to 4 carbon atoms or together R_3 and R_4 are pentamethylene,

n is 1, 2, 3 or 4,

when n is 1, T is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, aralkyl of 7 to 9 carbon atoms or aralkyl of 7 to 9 carbon atoms substituted by alkyl of 1 to 4 carbon atoms or by one or two halogen atoms, said alkyl interrupted by one or more oxygen atoms, cyanoethyl, alkenyl of 3 to 8 carbon atoms, alkoxycarbonylalkyl of 4 to 36 carbon atoms where alkyl is of 1 to 4 carbon atoms,

when n is 2, T is alkylene of 2 to 12 carbon atoms, arylene of 6 to 10 carbon atoms,

xylylene, -CH₂CHOHCH₂-, -CH₂CHOHCH₂-O-G₁-O-CH₂CHOHCH₂-, -CH₂-phenylene-COO-G₁-OCO-phenylene-CH₂- or -CH₂-phenylene-CH₂-OCO-G₁-COO-CH₂-phenylene-CH₂-,

 G_1 is alkylene of 2 to 12 carbon atoms, arylene of 6 to 10 carbon atoms or cycloalkylene of 6 to 12 carbon atoms,

when n is 3, T is alkanetriyl of 3 to 6 carbon atoms, or is
$$\begin{array}{c} H_3C \\ CH_2 \\ CH_2 \\ CH_2 \end{array}$$
 , and
$$\begin{array}{c} CH_2 \\ CH_2 \\ CH_3 \end{array}$$

when n is 4, T is alkanetetrayl of 4 to 6 carbon atoms,

 G_3 is a direct bond, -OCO- $(C_qH_{2q})_q$ -, -OCO-phenylene- CH_2 -, -NG₄-CO- $(C_qH_{2q})_q$ - or -NG₄-CO-phenylene- CH_2 - where q is 1 to 12,

G₄ is hydrogen, alkyl of 1 to 8 carbon atoms or phenyl,

m is 1 or 2,

when m is 1, G_2 is alkyl of 1 to 36 carbon atoms, said alkyl interrupted by one or more oxygen atoms, cyanomethyl, cycloalkyl of 6 to 8 carbon atoms, alkenyl of 2 to 8 carbon atoms, aryl of 6 to 10 carbon atoms, or aryl of 6 to 10 carbon atoms substituted by alkyl of 1 to 4 carbon atoms or by one or two halogen atoms, or alkoxycarbonylalkyl of 4 to 36 carbon atoms where alkyl is of 1 to 4 carbon atoms, and

when m is 2, G_2 is alkylene of 2 to 12 carbon atoms or arylene of 6 to 10 carbon atoms,

X and X₁ are independently Q-G, where Q is -O-, -COO-, -OCO- or -NR₆-,

 R_6 is hydrogen, alkyl of 1 to 8 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, cyanoethyl, aryl of 6 to 10 carbon atoms, aralkyl of 7 to 15 carbon atoms or -CH₂CHR₇OH, and R_7 is hydrogen, methyl or phenyl, with Q being attached to the piperidinyl ring,

G is alkylene of 1 to 4 carbon atoms, arylene of 6 to 10 carbon atoms or arylenealkylene of 7 to 15 carbon atoms,

 R_8 and R_9 are independently hydrogen or alkyl of 1 to 8 carbon atoms, and

L and L_1 are independently -CO-alkylene of 2 to 5 carbon atoms or -CO-phenylenewith the carbonyl group being attached to the N atom.

8. An ink jet ink or ink jet recording material according to claim 6 where the nitrone stabilizers are selected from the group consisting of N-benzyl- α -phenylnitrone, N-ethyl- α -methylnitrone, N-octyl- α -heptylnitrone, N-lauryl- α -undecylnitrone, N-tetradecyl- α -tridcylnitrone, N-hexadecyl- α -pentadecylnitrone, N-octadecyl- α -heptadecylnitrone, N-hexadecyl- α -heptadecylnitrone, N-ocatadecyl- α -pentadecylnitrone, N-heptadecylnitrone, N-heptadecylnitrone, the nitrone derived from N,N-di(hydrogenated tallow)hydroxylamine, N-benzyl- α -methylnitrone, N-butyl- α -propylnitrone,

- **9.** An ink jet ink or ink jet recording material according to claim **6** where the nitrone stabilizers are N-benzyl- α -phenylnitrone or N-ethyl- α -methylnitrone.
- **10.** An ink jet ink or ink jet recording material according to claim **7** in which E is hydrogen, hydroxyl, alkyl of 1 to 12 carbon atoms, alkyl, benzyl, alkanoyl of 2 to 4 carbon atoms, alkoxy of 1 to 12 carbon atoms, cyclohexyloxy or alpha-methylbenzyloxy.
- 11. An ink jet ink or ink jet recording material according to claim 7 in which

R₄ and R₅ are each methyl,

when n is 1, T is hydrogen, alkyl of 1 to 18 carbon atoms, benzyl or alkoxycarbonylalkyl of 4 to 18 carbon atoms where the alkyl is of 2 to 4 carbon atoms,

when n is 2, T is alkylene of 2 to 8 carbon atoms or is p-xylylene,

when n is 3, T is glyceryl,

when n is 4, T is pentaerythrityl,

G₃ is a direct bond,

G₄ is hydrogen,

when m is 1, G₂ is alkyl of 1 to 12 carbon atoms or phenyl,

when m is 2, G₂ is alkylene of 3 to 8 carbon atoms or phenylene,

X and X_1 are the same,

R₈ and R₉ are each hydrogen, and

L and L₁ are the same and are -CO-CH₂- or -CO-phenylene-.

- 12. An ink jet ink or ink jet recording material according to claim **6** where the nitrone stabilizers are selected from the group consisting of α -phenyl-N-(2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α -phenyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4yl)nitrone, α -phenyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4yl)nitrone, α -phenyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone], N-benzyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-ylidene)amine-N -oxide, α -n-propyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α -isopropyl-N-(1-octyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α , α '-tetramethylene-N,N'-bis[(1-octyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone], α -n-propyl-N-(1-acetyl-2,2,6,6-tetramethylpiperidin-4-yl)nitrone and α -[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl]-n-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxyc
- 13. An ink jet ink or ink jet recording material according to claim 1 comprising at least one compound selected from the group consisting of the amine oxide stabilizers.
- 14. An ink jet ink or ink jet recording material according to claim 13 where the amine oxide stabilizers are of the formula

$$R_1$$
 R_2
 R_3

wherein

R₁ is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R₁ is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbon atoms, halogen, cyano, E₁O-, E₁CO-, M⁺O⁻CO-, E₁OCO-, E₁COO-, E₁S-, E₁SO-, E₁SO₂-, -NH₂, -NHE₁, -NE₁E₂, -PO(OE₁)(OE₂) or -OPO(OE₁)(OE₂) groups;

R₂ is hydrogen or independently has the same meaning as R₁; or

 R_1 and R_2 together form a $C_{2\cdot12}$ heterocyclic ring which is unsubstituted or is substituted by one to three three alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbon atoms, halogen, cyano, E_1O_- , E_1CO_- , $M^+O^-CO_-$, E_1OCO_- , E_1COO_- , E_1S_- , $E_1S_$

 E_1 and E_2 independently are hydrogen, alkyl of 1 to 8 carbon atoms or alkyl of 1 to 8 carbon atoms substituted by one to three hydroxyl groups; or E_1 and E_2 independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500; and

R₃ independently has the same meaning as R₁;

wherein at least one of R_1 , R_2 and R_3 contains a β carbon-hydrogen bond.

- **15.** An ink jet ink or ink jet recording material according to claim **14** where R₁ and R₂ are independently benzyl or substituted benzyl.
- **16.** A composition according to claim **14** in which R_1 and R_2 are independently alkyl groups of 8 to 26 carbon atoms and R_3 is methyl.
- 17. A composition according to claim 14 in which R_1 , R_2 and R_3 are independently alkyl groups of 6 to 36 carbon atoms.
- **18.** A composition according to claim **14** in which the amine oxide stabilizer is $di(C_{16}-C_{18})$ alkyl methyl amie oxide, CAS# 204933-93-7.
- 19. An ink jet ink or ink jet recording material according to claim 1 comprising

at least one compound selected from the group consisting of a) the dialkyl hydroxylamine stabilizers and at least one compound selected from the group consisting of b) the nitrone stabilizers or

at least one compound selected from the group consisting of a) the dialkyl hydroxylamine stabilizers and at least one compound selected from the group consisting of c) the amine oxide stabilizers or

at least one compound selected from the group consisting of b) the nitrone stabilizers and at least one compound selected from the group consisting of c) the amine oxide stabilizers.

- **20.** An ink jet ink according to claim 1 which comprises about 0.01 to about 30% by weight of at least one compound selected from the group consisting of components a), b) and c), based on the weight of the ink jet ink.
- 21. An ink jet recording material according to claim 1 which comprises about 1 to about 10000 mg/m² of at least one compound selected from the group consisting of components a), b) and c).
- 22. An ink jet ink or ink jet recording material according to claim 1 further comprising a UV absorber selected from the group consisting of the hydroxyphenylbenzotriazoles, the tris-aryl-s-triazines, the benzophenones, the α -cyanoacrylates, the oxanilides, the benzoxazinones, the benzoates and the α -alkyl cinnamates.
- 23. An ink jet ink or ink jet recording material according to claim 1 further comprising a UV absorber selected from the group consisting of the hydroxyphenylbenzotriazoles, the tris-aryl-s-triazines and the benzophenones.
- 24. An ink jet ink or ink jet recording material according to claim 1 further comprising a UV absorber selected from the group consisting of
 - 5-chloro-2-(2-hydroxy-3,5-di-tert-butylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-3,5-di-tert-butylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-3,5-di-tert-amylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-3,5-di- α -cumylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-3- α -cumyl-5-tert-octylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-5-tert-octylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-5-methylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-3-tert-butyl-5-methylphenyl)-2H-benzotriazole-5-sulfonic acid, sodium salt;

- 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamic acid;
- 12-hydroxy-3,6,9-trioxadodecyl 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamate;
 - octyl 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamate;
- $2-(3-t-butyl-2-hydroxy-5-(2-(\omega-hydroxy-octa-(ethyleneoxy)carbonyl-ethyl)-phenyl)-2H-benzotriazole;$
 - 4,6-bis(2,4-dimethylphenyl)-2-(4-octyloxy-2-hydroxyphenyl)-s-triazine;
 - 2,4-bis(2-hydroxy-4-butyloxyphenyl)-6-(2,4-bis-butyloxyphenyl)-1,3,5-triazine;
- 2-[4-(dodecyloxy/tridecyloxy-2-hydroxypropoxy)-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)1,3,5-triazine;

the reaction product of tris(2,4-dihydroxyphenyl)-1,3,5-triazine with the mixture of α -chloropropionic esters (made from isomer mixture of C_7 - C_9 alcohols);

- 2,4-dihydroxybenzophenone;
- 2,2',4,4'-tetrahydroxy-5,5'-disulfobenzophenone, disodium salt;
- 2-hydroxy-4-octyloxybenzophenone;
- 2-hydroxy-4-dodecyloxybenzophenone;
- 2,4-dihydroxybenzophenone-5-sulfonic acid and salts thereof;
- 2-hydroxy-4-methoxybenzophenone-5-sulfonic acid and salts thereof;
- 2,2'-dihydroxy-4,4'dimethoxybenzophenone-5,5'-disodium sulfonate;
- 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-sec-butylbenzenesulfonic acid, sodium salt; and
- 2-(2'-hydroxy-3'-tert-butyl-5'-polyglycolpropionate-phenyl)benzotriazole.
- 25. An ink jet system, comprising a recording material and at least one colored ink to be applied to the recording material by means of an ink jet nozzle, wherein at least either the recording material or at least one colored ink comprises at least one compound selected from the group consisting of
 - a) the dialkyl hydroxylamine stabilizers,
 - b) the nitrone stabilizers and
 - c) the amine oxide stabilizers.

26. A process for stabilizing ink jet prints which comprises applying to a recording material for ink jet printing an ink composition comprising a water soluble dye or a solution of a dye in an organic solvent and at least one compound selected from the group consisting of

- a) the dialkyl hydroxylamine stabilizers,
- b) the nitrone stabilizers and
- c) the amine oxide stabilizers and

drying said recording material.

27. A process for stabilizing ink jet prints which comprises applying to a recording material for ink jet printing a casting or coating dispersion or an aqueous or organic solution comprising at least one compound selected from the group consisting of

- a) the dialkyl hydroxylamine stabilizers,
- b) the nitrone stabilizers and
- c) the amine oxide stabilizers and

further applying either an ink composition comprising a water soluble dye or a solution of a dye in an organic solvent; or an ink composition comprising a water soluble dye or a solution of a dye in an organic solvent and at least one compound selected from the group consisting of components a), b) and c) and drying said recording material.

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